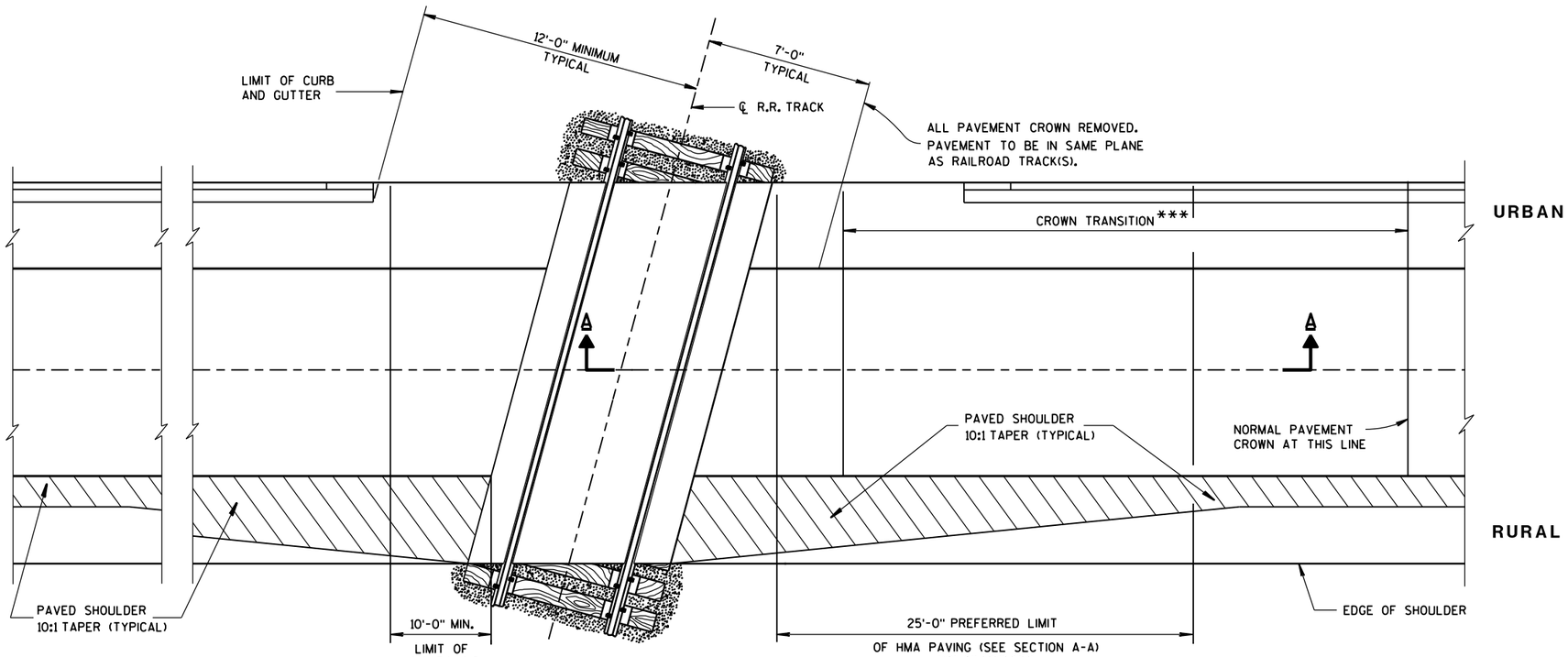
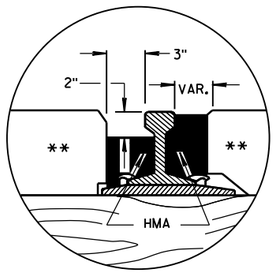
SDD 13B1 Pavement Details for Railroad Approach





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

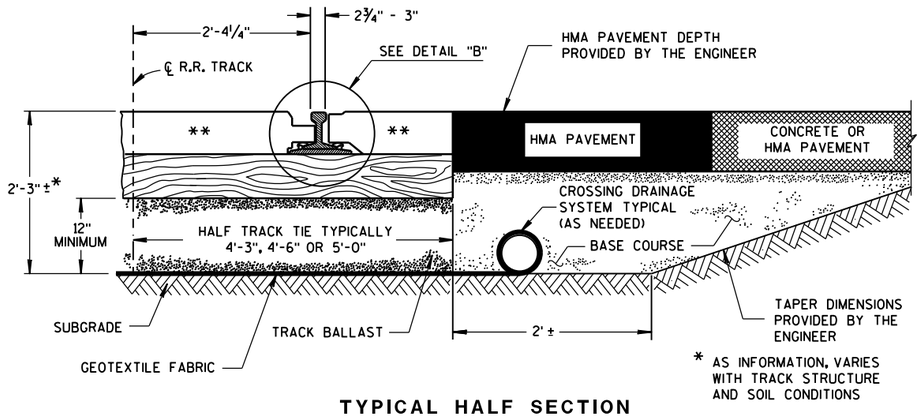
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

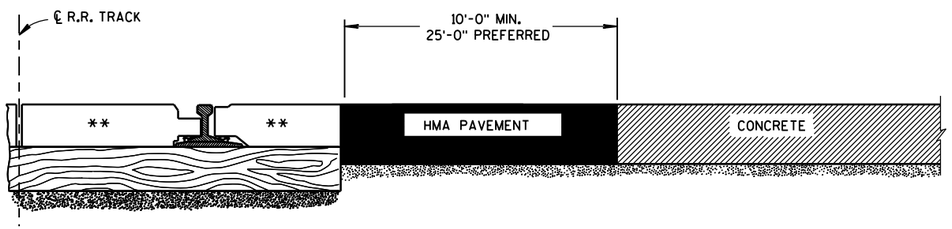
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.



TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH

SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8-28-09
DATE

/S/ Ronald E. Adams
CHIEF, RAILROADS & HARBORS SECTION

FHWA

6

S.D.D. 13 B 1-10

6

S.D.D. 13 B 1-10

Pavement Details for Railroad Approach

References:

FDM 17-40-1
Standard spec 107.17.1

Bid Items associated with this drawing:

ITEM NUMBER	DESCRIPTION	UNIT
305.0110 - 0135	Base Aggregate Dense (x Inch)	TON or CY
415.0060 - 0199	Concrete Pavement (inch)	SY
415.1080 - 1199	Concrete Pavement HES (inch)	SY
460.5000 –7999	HMA Pavement (type)	TON
601.0300 - 0339	Concrete Curb & Gutter (Inch)	LF

Standardized Special Provisions associated with this drawing:

STSP NUMBER	TITLE
107-026	Railroad Insurance and Coordination

Other SDDs associated with this drawing:

SDD 8D1	Concrete Curb, Concrete Curb & Gutter and Pavement Ties
SDD 8D16	Concrete Gutter, Curb and Gutter and Pavement Ties
SDD 11B2	Concrete Median Nose
SDD 15C9	Signing and Pavement Marking Details for Railroad-Highway Grade Crossings, sheet "a"

Design Notes:

General - State clearly in Section C (“Work by Railroad”) of the “Relations with Railroad Company” special provision, what work if any will be performed by the railroad company. If track work and/or crossing surface installation is to be performed by the contractor, follow the crossing manufacturer’s recommendations. Due to the need for room for track maintenance and repair and to prevent tight track gauge due to concrete pavement expansion, do not place concrete pavement next to the end of track ties. Specify a high grade of asphaltic paving on railroad approaches. Include a special provision where track centers do not provide sufficient room for heavy roller compaction.

Asphaltic Concrete Pavement Approach Length. Indicate on paving plan.

Asphaltic Concrete Approach Pavement Structure. Asphaltic approaches shall provide ESAL’s equivalent to the adjacent highway structure or as computed for the pavement design; provide instructions to the engineer.

Taper Shown On Typical Half Section. For spot crossing renewals in which disturbance to the adjacent roadway is to be minimized, taper at the angle of repose. For new construction calculate taper based on soil conditions and provide instructions to the engineer.

Median Nose. The blunt nose or sloped nose type 2 is recommended for grade crossings.

Skew. Due to the greater potential for cracking at an acute angle, concrete pavement terminations should not be skewed unless conditions warrant.

Crown Transition. Show the crown transition length on the plan. Calculate the crown transition length as provided in AASHTO GDHS 2001, Exhibit 3-25.

Contact Person:

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